

Morbidity and Mortality

Weekly
Report

PUBLIC HEALTH SERVICE

U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE

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Provisional Information on Selected Notifiable Diseases in the United States and on Deaths in Selected Cities for Week Ended October 8, 1960

For the week ended October 8, a total of 131 cases of poliomyelitis were reported; of these, 101 were paralytic cases. This is a substantial decrease from the revised figures for the previous week—179 total, of which 121 were paralytic cases—and continues the decrease since the week ended September 24 when 204 cases were reported with 134 being paralytic. For the week ended October 10, 1959, the total was 320 cases of which 234 were paralytic.

For the current week, figures for most of the geographic divisions remained about the same or decreased from figures for the previous week. In the South Atlantic Division, Maryland reported 21 cases (20 paralytic). Eighteen of the paralytic cases occurred in Baltimore City where 50 cases have been reported during the last 4 weeks. The cases have been occurring in areas of low socioeconomic status. In Minnesota, 4 paralytic cases were reported in Beltrami County where there

has been some concentration of cases on an Indian reservation.

No cases were reported in Kentucky which reported 17 unspecified cases last week. One death was reported in California.

The September Washington State Communicable Disease Report states that of the 28 cases of paralytic poliomyelitis reported through the first 9 months of the year, 11 were in children under 5 years of age. The rest were quite evenly distributed through other age groups. Nine cases had received 3 or more doses of vaccine and 15 had received none. Only 1 death has occurred.

Correction: In table 2 for the week ended October 1, the total number of poliomyelitis cases for South Carolina should have read 117 rather than 111 as shown.

Continued on page 2

Table 1. Cases of Specified Notifiable Diseases: United States

(Cumulative totals include revised and delayed reports)

Disease (Seventh Revision of International Lists, 1955)	40th week			Cumulative						Approximate seasonal low point
	Ended Oct. 8, 1960	Ended Oct. 10, 1959	Median 1955-59	First 40 weeks			Since seasonal low week			
				1960	1959	Median 1955-59	1959-60	1958-59	Median 1954-55 to 1958-59	
Anthrax-----062	-	-	-	15	12	15	(1)	(1)	(1)	(1)
Botulism-----049.1	-	-	-	10	13	6	(1)	(1)	(1)	(1)
Brucellosis (undulant fever)-----044	22	17	21	619	588	765	(1)	(1)	(1)	(1)
Diphtheria-----055	20	16	26	515	593	757	186	196	244	July 1
Encephalitis, infectious-----082	40	88	67	1,487	1,685	1,685	874	1,107	1,107	June 1
Hepatitis, infectious, and serum-----092, N998.5 pt.	811	352	295	29,461	17,083	15,152	3,958	1,960	1,409	Sept. 1
Malaria-----110-117	2	1	3	58	64	128	(1)	(1)	(1)	(1)
Measles-----085	1,026	939	1,018	403,796	367,829	521,870	4,038	4,514	4,665	Sept. 1
Meningitis, aseptic-----340 pt.	108	---	---	2,290	---	---	---	---	---	---
Meningococcal infections-----057	28	46	46	1,688	1,775	2,030	153	196	198	Sept. 1
Poliomyelitis-----080	131	320	320	2,435	6,652	6,652	2,218	6,359	6,359	Apr. 1
Paralytic-----080.0, 080.1	101	234	161	1,662	4,284	4,284	1,509	4,076	4,076	Apr. 1
Nonparalytic-----080.2	25	71	116	530	1,818	2,612	493	1,770	2,446	Apr. 1
Unspecified-----080.3	5	15	45	243	550	823	216	513	734	Apr. 1
Psittacosis-----096.2	1	1	3	77	87	204	(1)	(1)	(1)	(1)
Rabies in man-----094	-	-	-	3	4	4	(1)	(1)	(1)	(1)
Streptococcal sore throat, including scarlet fever-----050, 051	3,800	---	---	242,176	---	---	---	---	---	---
Typhoid fever-----040	15	26	28	634	657	1,072	507	530	811	Apr. 1
Typhus fever, endemic-----101	2	1	2	55	38	85	50	32	65	Apr. 1
Rabies in animals-----	36	71	59	2,807	3,017	3,692	36	71	59	Oct. 1

¹Data show no pronounced seasonal change in incidence.

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Thirteen of the 16 cases of brucellosis reported in Iowa for the current week represent delayed reports.

EPIDEMIOLOGICAL REPORTS

Rabies in bats

Dr. Ralph H. Heeren, Iowa State Department of Health, supplied information on the first 2 cases of rabies in bats reported in that State. The first case was in a hoary bat (Lasiurus cinereus) found in Osceola County. Some boys observed several bats in a tree. One bat was poked to the ground with a stick. An 8-year-old boy tried to pick it up and was bitten on the index finger. The bat was captured. Two days later it died and was submitted to the Iowa State University Veterinary Medical Diagnostic Laboratory. Atypical inclusion bodies were observed in brain tissue and mouse inoculation tests were positive. The diagnosis was confirmed by the Public Health Service Midwest Rabies Investigation Station in Poyette, Wisconsin. Anti-rabies vaccine was administered to the boy.

The second case was reported from Greene County, Iowa. Schoolchildren reported that a bat flew erratically over the playground and dived at them but did not touch them. One of the children threw a ball at the bat and knocked it to the ground. A boy picked it up and was bitten on a finger. Negri bodies were not observed on direct microscopic examination of brain tissue from the bat but mouse inoculation tests were positive. Anti-rabies vaccine was given to the boy.

Arthropod-borne encephalitis

The California Surveillance Report dated October 7 states that 5 cases of St. Louis encephalitis have been proved by laboratory tests so far this year. Another case is under investigation. The 5 cases were reported in Fresno, Imperial, and Yolo Counties with onset during July, August, and September. Between mid-August and mid-September the Fresno County Health Department reported 8 suspect cases of viral encephalitis. Two were confirmed as St. Louis encephalitis; 2 were negative, and laboratory tests have not been completed on 3 others. Five of these 8 suspect cases were in infants and 2 in young children. One confirmed case of western encephalitis has been reported in California. This occurred in Imperial County with onset in May.

Salmonellosis

The Los Angeles City Morbidity and Mortality Weekly Report for the week ended September 17 summarized the results of isolations of various species of Salmonella during 1959 by the City Health Department Laboratory. The 249 strains that were isolated included 30 species in 11 groups. It did not include 3 untyped strains in group C₂; one in group B, and one that could not be placed in any group. The most frequently isolated species were S. typhimurium (72), S. newport (31), S. montevideo (19), S. saintpaul (18), S. blockley (17), and S. infantis (13). Ten species were present in 1959 that were not found in 1958, and 7 were present in 1958 that were not found in 1959.

Staphylococcal food poisoning

Dr. Ralph H. Heeren, Iowa State Department of Health, reported that 22 of 350 persons attending a picnic became ill with food intoxication from 2 to 3 hours after eating. No laboratory examinations of food samples were made but other evidence indicated ham was the food vehicle. The ham, after baking, was allowed to stand at room temperature for several hours with outdoor temperatures of more than 90° F. The ham was the only food item in common. The other food consisted of basket

lunches eaten individually by the families who brought them. Only those who had eaten ham became ill.

Gastroenteritis

Dr. Alta Ashley, Maine District Health Officer, reported the occurrence of an outbreak of gastroenteritis at a camp. A total of 79 cases were reported out of about 200 girls spending their last week at the camp. The illness was characterized by diarrhea and headache. Most of the cases also had fever ranging around 102° F., although some had fever as high as 104° F. Some individuals also suffered chills. A kitchen worker became ill after about 20 campers developed symptoms. Specimens from this person are being examined. Stool specimens from 7 campers were examined and found negative. A sample of bologna was found to contain coagulase-positive Staphylococcus aureus, but it was thought contamination might have occurred during shipment of the specimen to the laboratory. The water in camp was from 2 sources—chlorinated lake water in the taps and well water in coolers. Both supplies tested "satisfactory" at the beginning of the season. The camp was formerly a dairy farm.

Two reports of outbreaks of gastroenteritis were received from the California Department of Public Health. One report stated that 10 of 20 girls eating a beef sukiyaki dinner in a restaurant became ill with cramps and diarrhea. Onset of symptoms occurred from 1 to 12 hours after the meal. The sukiyaki was composed of raw onion, precooked spinach, soybean cake, potato strings, fresh mushrooms, bamboo shoots, burdock root, rib steak, soy sauce, and sugar—all fried together at the table. Other foods eaten by the group included soup made from shaved dried fish and water, pickled cabbage and cucumber, rice, and ice cream. No specimens were available for laboratory examination.

The other report stated that 2 persons became ill 4 hours after eating in a hotel dining room. The suspect food was seafood cocktail containing frozen shrimp and crab served on lettuce with a cocktail sauce made on the premises. Moderate numbers of coagulase-positive, hemolytic, mannite-positive S. aureus were found in the seafood.

QUARANTINE MEASURES

Immunization Information for International Travel Public Health Service Publication No. 334 (1960) Changes Reported

Yellow Fever Receptive Area Map of the United States—Page 80.

The following changes should be made in the Yellow Fever Receptive Area Map of the United States:

The following States should be removed from the yellow fever receptive area of the United States: Arizona, New Mexico, Oklahoma, and North Carolina, and that part of the State of Texas west of a line from Del Rio to Wichita Falls. This action is based on absence of Aedes aegypti in the areas named, as demonstrated by surveys in recent years.

The yellow fever receptive area in the United States, its possessions, and territories under its administration now includes: The States of Alabama, Arkansas, Florida, Georgia, Louisiana, Mississippi, South Carolina, Tennessee, and that part of Texas east of a line extending from Del Rio through Wichita Falls and including those cities; also American Samoa, Guam, Hawaii, Puerto Rico, the Ryukyu Islands, the Trust Territory of the Pacific Islands, the Virgin Islands, and Wake Island.

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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED OCTOBER 10, 1959, AND OCTOBER 8, 1960

(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

Area	Poliomyelitis 080										Menin- gitis, aseptic 340 pt.	Brucel- losis (undul- ant fever) 044
	Total ¹				Paralytic 080.0,080.1				Nonparalytic			
	40th week		Cumulative, first 40 weeks		40th week		Cumulative, first 40 weeks		080.2			
	1960	1959	1960	1959	1960	1959	1960	1959	1960	1959		
UNITED STATES-----	131	320	2,435	6,652	101	234	1,662	4,284	25	71	108	22
NEW ENGLAND-----	3	24	196	279	1	21	153	207	2	1	3	-
Maine-----	1	14	33	46	1	14	33	46	-	-	-	-
New Hampshire-----	-	-	-	4	-	-	-	3	-	-	-	-
Vermont-----	1	-	7	2	-	-	2	2	1	-	-	-
Massachusetts-----	1	7	28	119	-	4	19	84	1	1	3	-
Rhode Island-----	-	-	99	6	-	-	76	4	-	-	-	-
Connecticut-----	-	3	29	102	-	3	23	68	-	-	-	-
MIDDLE ATLANTIC-----	30	30	350	556	19	24	252	345	8	3	10	1
New York-----	15	20	196	329	10	15	132	185	2	2	2	1
New Jersey-----	5	8	69	115	1	7	50	72	4	1	7	-
Pennsylvania-----	10	2	85	112	8	2	70	89	2	-	1	-
EAST NORTH CENTRAL-----	21	52	414	993	16	25	239	416	3	21	36	-
Ohio-----	8	12	99	227	6	6	48	99	1	4	4	-
Indiana-----	2	5	92	122	2	3	61	87	-	2	2	-
Illinois-----	6	19	123	230	5	9	84	107	1	7	18	-
Michigan-----	4	14	71	376	3	6	37	102	1	8	12	-
Wisconsin-----	1	2	29	38	-	1	9	21	-	-	-	-
WEST NORTH CENTRAL-----	8	56	141	1,331	7	41	79	717	1	13	10	16
Minnesota-----	5	15	46	195	4	14	38	156	1	1	3	-
Iowa-----	-	17	21	397	-	13	4	206	-	3	-	16
Missouri-----	3	14	29	410	3	9	20	226	-	4	-	-
North Dakota-----	-	-	10	12	-	-	3	6	-	-	-	-
South Dakota-----	-	-	4	14	-	-	1	1	-	-	-	-
Nebraska-----	-	7	13	128	-	2	8	66	-	5	7	-
Kansas-----	-	3	18	175	-	3	5	56	-	-	-	-
SOUTH ATLANTIC-----	38	50	420	994	35	50	313	778	3	-	5	1
Delaware-----	-	-	-	7	-	-	-	7	-	-	-	-
Maryland-----	21	4	93	27	20	4	86	26	1	-	-	-
District of Columbia-----	-	-	-	6	-	-	-	5	-	-	-	-
Virginia-----	2	9	22	230	2	9	20	193	-	-	1	-
West Virginia-----	4	12	38	151	4	12	30	121	-	-	2	-
North Carolina-----	6	16	78	208	5	16	49	180	1	-	-	1
South Carolina-----	5	3	122	71	4	3	80	38	1	-	-	-
Georgia-----	-	3	16	131	-	3	14	100	-	-	2	-
Florida-----	-	3	51	163	-	3	34	108	-	-	-	-
EAST SOUTH CENTRAL-----	7	23	174	705	4	19	75	533	3	4	6	-
Kentucky-----	-	5	94	75	-	4	5	66	-	1	-	-
Tennessee-----	4	14	34	311	1	11	24	230	3	3	2	-
Alabama-----	1	3	15	223	1	3	15	167	-	-	-	-
Mississippi-----	2	1	31	96	2	1	31	50	-	-	4	-
WEST SOUTH CENTRAL-----	11	43	238	1,004	6	19	142	654	5	23	3	1
Arkansas-----	1	21	27	270	1	8	16	207	-	13	-	-
Louisiana-----	4	4	47	120	1	-	29	85	3	4	-	1
Oklahoma-----	-	2	14	137	-	1	9	78	-	-	-	-
Texas-----	6	16	150	477	4	10	88	284	2	6	3	-
MOUNTAIN-----	1	6	68	162	1	4	34	93	-	1	1	2
Montana-----	-	-	16	7	-	-	12	2	-	-	-	-
Idaho-----	-	1	5	6	-	-	1	-	-	-	-	-
Wyoming-----	-	-	18	2	-	-	-	1	-	-	-	-
Colorado-----	-	2	13	22	-	1	12	15	-	1	-	-
New Mexico-----	-	-	7	37	-	-	3	22	-	-	1	-
Arizona-----	-	3	4	75	-	3	4	48	-	-	-	-
Utah-----	1	-	5	8	1	-	2	2	-	-	-	2
Nevada-----	-	-	-	5	-	-	-	3	-	-	-	-
PACIFIC-----	12	36	434	628	12	31	375	541	-	5	34	1
Washington-----	3	8	31	142	3	8	31	142	-	-	3	-
Oregon-----	-	8	31	130	-	6	17	101	-	2	1	-
California-----	9	15	363	338	9	13	318	286	-	2	30	1
Alaska-----	-	5	2	18	-	4	2	12	-	1	-	-
Hawaii-----	-	-	7	(5)	-	-	7	(5)	-	-	-	-
Puerto Rico-----	8	-	455	4	8	-	450	3	-	-	-	-

¹Includes cases not specified by type, category number 080.3.

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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED OCTOBER 10, 1959, AND OCTOBER 8, 1960—Continued

(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

Area	Diphtheria 055				Encephalitis, infectious		Hepatitis, infectious, and serum 092, N998.5 pt.				Measles	
	40th week		Cumulative, first 40 weeks		082		40th week		Cumulative, first 40 weeks		085	
	1960	1959	1960	1959	1960	1959	1960	1959	1960	1959	1960	1959
UNITED STATES-----	20	16	515	593	40	88	811	352	29,461	17,083	1,026	939
NEW ENGLAND-----	1	-	11	5	3	3	22	14	881	553	203	95
Maine-----	-	-	2	-	1	-	1	-	52	85	6	6
New Hampshire-----	-	-	-	-	-	-	1	-	27	15	4	56
Vermont-----	-	-	-	-	-	-	-	-	12	23	9	4
Massachusetts-----	1	-	8	5	1	1	9	12	440	266	163	25
Rhode Island-----	-	-	1	-	1	1	7	2	174	57	7	2
Connecticut-----	-	-	-	-	-	1	4	-	176	107	14	2
MIDDLE ATLANTIC-----	-	-	13	46	5	17	89	61	3,510	2,556	118	77
New York-----	-	-	3	24	1	12	49	36	1,907	1,507	52	48
New Jersey-----	-	-	2	9	3	3	11	9	242	281	40	15
Pennsylvania-----	-	-	8	13	1	2	29	16	1,361	768	26	14
EAST NORTH CENTRAL-----	-	-	38	27	13	14	133	47	5,303	2,708	198	258
Ohio-----	-	-	16	9	10	9	48	8	1,817	794	38	22
Indiana-----	-	-	5	4	-	1	12	5	592	249	24	10
Illinois-----	-	-	6	9	-	2	39	18	1,127	594	20	54
Michigan-----	-	-	9	3	3	2	29	12	1,576	904	40	76
Wisconsin-----	-	-	2	2	-	-	5	4	191	167	76	96
WEST NORTH CENTRAL-----	1	2	27	45	2	6	53	10	2,055	1,338	41	51
Minnesota-----	1	2	9	20	-	-	9	3	257	327	-	10
Iowa-----	-	-	7	3	-	1	8	-	342	120	2	1
Missouri-----	-	-	2	5	-	-	15	4	742	367	5	1
North Dakota-----	-	-	1	2	-	2	6	3	150	266	33	39
South Dakota-----	-	-	5	3	2	-	4	-	133	45	-	-
Nebraska-----	-	-	1	12	-	1	6	-	217	64	1	-
Kansas-----	-	-	2	-	-	2	5	-	214	149	(*)	(*)
SOUTH ATLANTIC-----	10	10	164	174	5	16	85	39	3,416	1,514	115	23
Delaware-----	-	-	-	-	-	-	4	1	205	90	-	1
Maryland-----	-	-	1	7	1	9	7	4	349	331	8	7
District of Columbia-----	-	-	-	-	-	-	-	-	42	15	1	-
Virginia-----	5	-	26	12	1	2	6	17	652	372	10	6
West Virginia-----	-	-	4	2	-	-	16	-	638	248	14	7
North Carolina-----	-	1	8	17	3	3	9	4	306	91	78	-
South Carolina-----	1	-	46	22	-	-	2	1	54	36	-	2
Georgia-----	2	5	26	55	-	-	10	2	230	112	-	-
Florida-----	2	4	53	59	-	2	31	10	940	219	4	-
EAST SOUTH CENTRAL-----	2	2	52	70	2	10	115	50	4,219	1,585	75	33
Kentucky-----	-	-	2	9	-	-	29	21	1,534	737	47	8
Tennessee-----	-	1	7	7	2	10	44	18	1,375	374	24	25
Alabama-----	1	1	24	17	-	-	26	10	916	338	3	-
Mississippi-----	1	-	19	37	-	-	16	1	394	136	1	-
WEST SOUTH CENTRAL-----	6	1	174	194	5	14	59	31	2,340	1,376	62	119
Arkansas-----	2	-	14	34	-	1	4	-	123	72	-	-
Louisiana-----	-	1	34	51	-	-	4	1	131	102	-	-
Oklahoma-----	1	-	17	2	1	-	3	3	288	188	-	4
Texas-----	3	-	109	107	4	13	48	27	1,798	1,014	62	115
MOUNTAIN-----	-	-	35	18	2	2	47	35	2,336	2,265	70	84
Montana-----	-	-	3	-	1	1	1	2	109	205	8	5
Idaho-----	-	-	11	-	-	-	2	6	265	269	5	14
Wyoming-----	-	-	5	-	-	-	-	-	23	49	8	4
Colorado-----	-	-	3	7	-	-	22	10	852	694	7	16
New Mexico-----	-	-	4	8	-	-	-	1	274	421	-	13
Arizona-----	-	-	3	2	1	-	9	7	525	445	10	8
Utah-----	-	-	6	-	-	1	10	9	208	161	23	24
Nevada-----	-	-	-	1	-	-	3	-	80	21	9	-
PACIFIC-----	-	1	1	14	3	6	208	65	5,401	3,188	144	199
Washington-----	-	-	-	-	-	-	29	9	622	431	39	42
Oregon-----	-	1	-	4	-	-	22	16	878	652	48	40
California-----	-	-	-	5	3	6	153	38	3,660	2,040	57	63
Alaska-----	-	-	1	5	-	-	4	2	166	65	-	54
Hawaii-----	-	-	-	(2)	-	-	-	(2)	75	(42)	-	(23)
Puerto Rico-----	1	-	113	23	-	-	9	2	616	229	9	12

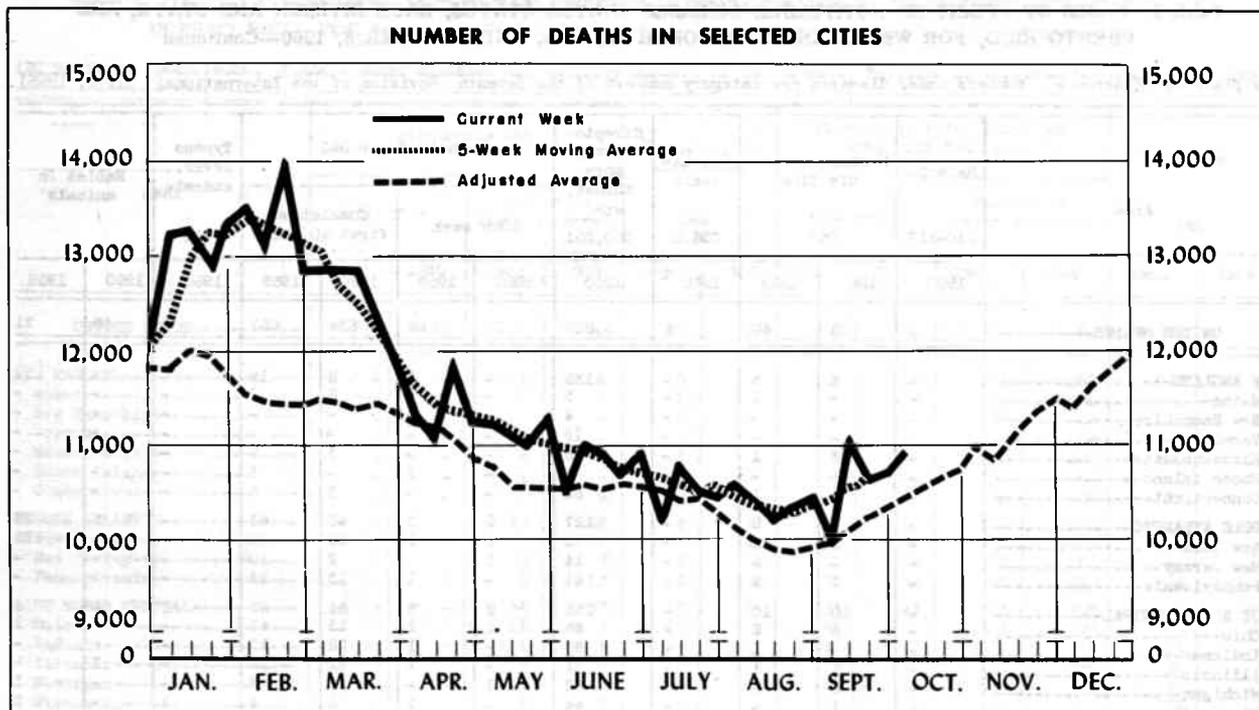
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Table 2. CASES OF SPECIFIED NOTIFIABLE DISEASES: UNITED STATES, EACH DIVISION AND STATE, AND PUERTO RICO, FOR WEEKS ENDED OCTOBER 10, 1959, AND OCTOBER 8, 1960—Continued

(By place of occurrence. Numbers under diseases are category numbers of the Seventh Revision of the International Lists, 1955)

Area	Malaria	Meningococcal infections		Psittacosis	Streptococcal sore throat, etc.	Typhoid fever 040				Typhus fever, endemic	Rabies in animals	
	110-117	057		096.2	050,051	40th week		Cumulative, first 40 weeks		101	1960	1959
	1960	1960	1959	1960	1960	1960	1959	1960	1959	1960	1960	1959
UNITED STATES-----	2	28	46	1	3,800	15	26	634	657	2	36	71
NEW ENGLAND-----	-	3	3	-	135	-	1	8	15	-	-	-
Maine-----	-	-	1	-	5	-	-	2	2	-	-	-
New Hampshire-----	-	-	-	-	4	-	-	-	-	-	-	-
Vermont-----	-	-	-	-	19	-	-	-	-	-	-	-
Massachusetts-----	-	3	1	-	38	-	-	3	5	-	-	-
Rhode Island-----	-	-	-	-	7	-	1	-	3	-	-	-
Connecticut-----	-	-	1	-	62	-	-	3	5	-	-	-
MIDDLE ATLANTIC-----	-	3	8	-	127	2	3	45	63	-	5	25
New York-----	-	2	6	-	72	1	2	30	30	-	5	25
New Jersey-----	-	-	-	-	14	1	-	2	10	-	-	-
Pennsylvania-----	-	1	2	-	41	-	1	13	23	-	-	-
EAST NORTH CENTRAL-----	-	10	10	-	255	2	3	84	83	1	4	4
Ohio-----	-	3	2	-	46	1	1	23	43	-	2	1
Indiana-----	-	-	1	-	89	-	1	22	12	-	-	-
Illinois-----	-	1	1	-	14	-	-	21	16	-	2	-
Michigan-----	-	5	6	-	62	1	-	13	8	-	-	1
Wisconsin-----	-	1	-	-	44	-	1	5	4	1	-	2
WEST NORTH CENTRAL-----	-	2	3	-	91	-	1	36	42	-	5	10
Minnesota-----	-	1	-	-	4	-	-	1	1	-	-	2
Iowa-----	-	-	-	-	28	-	-	6	7	-	5	5
Missouri-----	-	-	1	-	1	-	1	21	15	-	-	2
North Dakota-----	-	-	1	-	36	-	-	1	5	-	-	-
South Dakota-----	-	1	-	-	-	-	-	3	3	-	-	-
Nebraska-----	-	-	1	-	-	-	-	2	4	-	-	1
Kansas-----	-	-	-	-	22	-	-	2	7	-	-	-
SOUTH ATLANTIC-----	2	1	4	-	290	3	2	97	117	-	11	13
Delaware-----	-	-	-	-	-	-	-	1	-	-	-	-
Maryland-----	-	-	2	-	4	-	-	5	5	-	-	-
District of Columbia-----	-	-	-	-	1	-	-	7	4	-	-	-
Virginia-----	1	-	2	-	56	-	-	22	23	-	5	5
West Virginia-----	-	-	-	-	96	-	1	9	12	-	2	3
North Carolina-----	1	-	-	-	20	-	-	8	11	-	-	1
South Carolina-----	-	1	-	-	3	1	-	12	11	-	-	-
Georgia-----	-	-	-	-	-	1	1	22	27	-	-	2
Florida-----	-	-	-	-	110	1	-	11	24	-	4	2
EAST SOUTH CENTRAL-----	-	1	-	-	658	4	2	94	90	-	4	8
Kentucky-----	-	-	-	-	41	-	-	19	16	-	-	3
Tennessee-----	-	1	-	-	598	3	2	53	47	-	2	2
Alabama-----	-	-	-	-	14	1	-	17	11	-	2	3
Mississippi-----	-	-	-	-	5	-	-	5	16	-	-	-
WEST SOUTH CENTRAL-----	-	1	13	-	674	3	8	179	138	1	6	6
Arkansas-----	-	-	-	-	-	1	2	41	28	-	2	1
Louisiana-----	-	-	-	-	2	1	-	56	16	-	-	-
Oklahoma-----	-	-	-	-	6	-	-	12	16	-	1	-
Texas-----	-	1	13	-	666	1	6	70	78	1	3	5
MOUNTAIN-----	-	-	3	-	820	-	5	34	38	-	-	-
Montana-----	-	-	1	-	20	-	-	9	2	-	-	-
Idaho-----	-	-	-	-	28	-	-	3	4	-	-	-
Wyoming-----	-	-	-	-	-	-	1	4	6	-	-	-
Colorado-----	-	-	-	-	283	-	-	1	4	-	-	-
New Mexico-----	-	-	1	-	240	-	3	8	15	-	-	-
Arizona-----	-	-	1	-	140	-	-	8	6	-	-	-
Utah-----	-	-	-	-	107	-	1	1	1	-	-	-
Nevada-----	-	-	-	-	2	-	-	-	-	-	-	-
PACIFIC-----	-	7	2	1	750	1	1	57	71	-	1	5
Washington-----	-	3	1	-	271	-	-	5	2	-	-	-
Oregon-----	-	1	-	-	19	-	-	8	7	-	-	-
California-----	-	5	1	1	457	1	1	43	58	-	1	5
Alaska-----	-	-	-	-	23	-	-	1	4	-	-	-
Hawaii-----	-	-	-	-	-	-	-	-	-	-	-	-
Puerto Rico-----	-	-	-	-	-	-	-	18	14	-	2	-

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The chart shows the number of deaths reported for 117 major cities of the United States by week for the current year, a 5-week moving average of these figures plotted at the central week, and an adjusted average for comparison. The adjusted average is computed as follows: From the total deaths reported each week for the years 1955-59, 3 central figures are selected by eliminating the highest and lowest figures reported for that week. A 5-week moving average of the arithmetic means of the 3 central figures is then computed. The adjusted average shown in the chart is this moving average increased by 4.0 percent to allow for estimated population growth in the cities and surrounding areas.

The use of the adjusted average is based on the assumption that the crude death rate and changes in population will remain at the level of recent years. No allowance has been made for increased use of city hospital facilities.

Table 4 shows the number of death certificates received during the week indicated for deaths that occurred in selected cities. Figures compiled in this way, by week of receipt, usually approximate closely the number of deaths occurring during the week. However, differences are to be expected because of variations in the interval between death and receipt of the certificate and because of incomplete reporting due to holidays or vacations. If a report is not received from a city in time to be included in the total for the current week, an estimate is used.

The number of deaths in cities of the same size may also differ because of variations in the age, race, and sex composition of the populations and because some cities are hospital centers serving the surrounding areas. Changes from year to year in the number of deaths may be due in part to population increases or decreases.

Table 3. DEATHS IN SELECTED CITIES BY GEOGRAPHIC DIVISIONS

(By place of occurrence and week of filing certificate. Excludes fetal deaths. Data exclude figures shown in parentheses in table 4)

Area	40th week ended Oct. 8, 1960	39th week ended Oct. 1, 1960	Adjusted average, 40th week 1955-59	Percent change, adjusted average to current week ¹	Cumulative, first 40 weeks		
					1960	1959	Percent change
TOTAL, 117 REPORTING CITIES -----	² 10,927	10,677	10,443	+4.6	² 460,219	449,356	+2.4
New England----- (14 cities)	732	721	688	+6.4	28,809	28,225	+2.1
Middle Atlantic----- (20 cities)	3,041	3,111	3,116	-2.4	127,435	129,022	-1.2
East North Central----- (21 cities)	2,379	2,295	2,387	-0.3	99,622	97,525	+2.2
West North Central----- (9 cities)	751	675	752	-0.1	31,991	30,903	+3.5
South Atlantic----- (11 cities)	901	866	895	+0.7	39,448	38,255	+3.1
East South Central----- (8 cities)	444	490	492	-9.8	20,896	20,405	+2.4
West South Central----- (13 cities)	842	922	882	-4.5	40,273	37,467	+7.5
Mountain----- (8 cities)	333	319	277	+20.2	14,399	12,450	+15.7
Pacific----- (13 cities)	² 1,504	1,278	1,343	+12.0	² 57,346	55,104	+4.1

¹Adjusted average used as base.

²Data includes estimate for missing city.

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Table 4. DEATHS IN SELECTED CITIES

(By place of occurrence and week of filing certificate. Excludes fetal deaths)

Area	40th week ended Oct, 8, 1960	39th week ended Oct, 1, 1960	Cumulative, first 40 weeks		Area	40th week ended Oct, 8, 1960	39th week ended Oct, 1, 1960	Cumulative, first 40 weeks	
			1960	1959				1960	1959
NEW ENGLAND:					WEST NORTH CENTRAL—Con.:				
Boston, Mass.-----	294	259	10,051	9,629	St. Louis, Mo.-----	203	199	9,846	9,370
Bridgeport, Conn.-----	39	29	1,636	1,589	St. Paul, Minn.-----	55	44	2,764	2,581
Cambridge, Mass.-----	34	24	1,250	1,125	Wichita, Kans.-----	65	46	1,846	1,903
Fall River, Mass.-----	18	30	1,124	1,122	SOUTH ATLANTIC:				
Hartford, Conn.-----	47	55	1,936	1,952	Atlanta, Ga.-----	93	102	4,708	4,411
Lowell, Mass.-----	20	22	951	943	Baltimore, Md.-----	223	233	10,040	9,634
Lynn, Mass.-----	25	25	966	928	Charlotte, N.C.-----	44	35	1,568	1,453
New Bedford, Mass.-----	14	28	977	957	Jacksonville, Fla.-----	42	47	2,365	2,283
New Haven, Conn.-----	41	49	1,793	1,788	Miami, Fla.-----	63	54	2,899	2,772
Providence, R.I.-----	71	55	2,551	2,572	Norfolk, Va.-----	41	28	1,602	1,570
Somerville, Mass.-----	20	12	536	519	Richmond, Va.-----	74	62	3,108	3,108
Springfield, Mass.-----	42	41	1,792	1,775	Savannah, Ga.-----	30	23	1,351	1,327
Waterbury, Conn.-----	18	27	1,085	1,111	St. Petersburg, Fla.-----	(50)	(61)	(2,826)	(2,568)
Worcester, Mass.-----	49	65	2,161	2,215	Tampa, Fla.-----	68	48	2,612	2,491
MIDDLE ATLANTIC:					Washington, D.C.-----	189	205	7,690	7,696
Albany, N.Y.-----	38	36	1,731	2,063	Wilmington, Del.-----	34	29	1,505	1,510
Allentown, Pa.-----	40	31	1,387	1,376	EAST SOUTH CENTRAL:				
Buffalo, N.Y.-----	122	103	5,792	5,775	Birmingham, Ala.-----	66	81	3,377	3,260
Camden, N.J.-----	42	28	1,688	1,666	Chattanooga, Tenn.-----	54	48	1,893	1,827
Elizabeth, N.J.-----	26	22	1,168	1,183	Knoxville, Tenn.-----	32	25	1,125	1,147
Erie, Pa.-----	38	30	1,547	1,454	Louisville, Ky.-----	95	121	4,592	4,527
Jersey City, N.J.-----	71	84	2,856	2,950	Memphis, Tenn.-----	91	91	4,472	4,472
Newark, N.J.-----	100	110	3,889	3,986	Mobile, Ala.-----	36	40	1,656	1,556
New York City, N.Y.-----	1,580	1,664	64,821	66,059	Montgomery, Ala.-----	30	32	1,387	1,300
Paterson, N.J.-----	28	38	1,521	1,539	Nashville, Tenn.-----	42	52	2,394	2,316
Philadelphia, Pa.-----	490	491	19,592	19,709	WEST SOUTH CENTRAL:				
Pittsburgh, Pa.-----	145	171	7,673	7,431	Austin, Tex.-----	23	21	1,374	1,263
Reading, Pa.-----	23	27	948	888	Baton Rouge, La.-----	21	41	1,152	1,078
Rochester, N.Y.-----	102	83	3,989	3,875	Corpus Christi, Tex.-----	16	16	939	826
Schenectady, N.Y.-----	23	18	950	984	Dallas, Tex.-----	98	107	4,962	4,708
Scranton, Pa.-----	36	44	1,497	1,462	El Paso, Tex.-----	32	40	1,533	1,454
Syracuse, N.Y.-----	56	46	2,446	2,524	Fort Worth, Tex.-----	67	62	2,680	2,508
Trenton, N.J.-----	23	35	1,630	1,728	Houston, Tex.-----	122	198	6,765	6,190
Utica, N.Y.-----	25	22	1,082	1,114	Little Rock, Ark.-----	47	50	2,302	2,166
Yonkers, N.Y.-----	33	28	1,228	1,256	New Orleans, La.-----	150	151	7,169	6,690
EAST NORTH CENTRAL:					Oklahoma City, Okla.-----	65	54	2,975	2,768
Akron, Ohio-----	61	52	2,282	2,344	San Antonio, Tex.-----	87	88	4,031	3,806
Canton, Ohio-----	32	22	1,376	1,341	Shreveport, La.-----	41	52	2,169	2,061
Chicago, Ill.-----	736	681	30,756	30,084	Tulsa, Okla.-----	73	42	2,222	1,950
Cincinnati, Ohio-----	182	175	6,323	6,354	MOUNTAIN:				
Cleveland, Ohio-----	224	164	8,395	8,339	Albuquerque, N. Mex.-----	22	24	1,222	1,197
Columbus, Ohio-----	122	118	4,723	4,665	Colorado Springs, Colo.-----	14	23	666	615
Dayton, Ohio-----	75	84	2,991	2,683	Denver, Colo.-----	128	121	4,764	4,592
Detroit, Mich.-----	318	290	13,573	13,052	Ogden, Utah-----	16	14	660	615
Evansville, Ind.-----	46	35	1,462	1,463	Phoenix, Ariz.-----	70	56	3,073	2,033
Flint, Mich.-----	31	33	1,595	1,604	Pueblo, Colo.-----	13	14	657	553
Fort Wayne, Ind.-----	36	24	1,472	1,441	Salt Lake City, Utah-----	39	38	1,935	1,917
Gary, Ind.-----	24	26	1,246	1,181	Tucson, Ariz.-----	31	29	1,422	928
Grand Rapids, Mich.-----	30	45	1,647	1,672	PACIFIC:				
Indianapolis, Ind.-----	125	149	5,847	5,534	Berkeley, Calif.-----	17	20	676	675
Madison, Wis.-----	32	24	1,263	1,182	Fresno, Calif.-----	(28)	(20)	(1,747)	(1,589)
Milwaukee, Wis.-----	112	132	5,002	5,090	Glendale, Calif.-----	(27)	(32)	(1,538)	(1,440)
Peoria, Ill.-----	27	37	1,214	1,160	Honolulu, Hawaii-----	40	29	1,650	1,622
Rockford, Ill.-----	22	22	1,135	1,107	Long Beach, Calif.-----	53	35	2,180	2,185
South Bend, Ind.-----	33	30	1,155	1,094	Los Angeles, Calif.-----	507	438	20,196	19,175
Toledo, Ohio-----	72	91	3,969	3,983	Oakland, Calif.-----	79	93	3,838	3,615
Youngstown, Ohio-----	39	61	2,196	2,152	Pasadena, Calif.-----	38	28	1,376	1,256
WEST NORTH CENTRAL:					Portland, Oreg.-----	139	92	4,444	4,420
Des Moines, Iowa-----	47	48	2,184	2,129	Sacramento, Calif.-----	70	37	2,324	2,197
Duluth, Minn.-----	25	29	1,014	982	San Diego, Calif.-----	142	76	3,639	3,256
Kansas City, Kans.-----	29	41	1,397	1,433	San Francisco, Calif.-----	181	220	7,940	7,762
Kansas City, Mo.-----	123	81	5,013	4,770	San Jose, Calif.-----	(24)	(37)	(1,380)	(1,005)
Lincoln, Nebr.-----	(30)	(27)	(1,047)	(1,024)	Seattle, Wash.-----	146	118	5,531	5,432
Minneapolis, Minn.-----	139	117	4,987	4,912	Spokane, Wash.-----	53	56	1,903	1,977
Omaha, Nebr.-----	65	70	2,940	2,823	Tacoma, Wash.-----	39	36	1,649	1,632

¹Estimated.

²Includes estimate for current week.

Morbidity and Mortality Weekly Report

Table 1. Morbidity and Mortality by State, 1960

State	Population	Communicable Diseases	Non-communicable Diseases	Total
Alabama	2,200,000	1,200	1,800	3,000
Alaska	100,000	50	100	150
Arizona	1,500,000	800	1,200	2,000
Arkansas	1,800,000	900	1,300	2,200
California	10,000,000	5,000	7,000	12,000
Colorado	1,200,000	600	900	1,500
Connecticut	2,500,000	1,300	1,900	3,200
Delaware	500,000	250	350	600
District of Columbia	500,000	250	350	600
Florida	4,000,000	2,000	2,800	4,800
Georgia	3,000,000	1,500	2,100	3,600
Hawaii	1,000,000	500	700	1,200
Idaho	1,000,000	500	700	1,200
Illinois	10,000,000	5,000	7,000	12,000
Indiana	4,000,000	2,000	2,800	4,800
Iowa	2,500,000	1,300	1,900	3,200
Kansas	2,000,000	1,000	1,400	2,400
Kentucky	3,000,000	1,500	2,100	3,600
Louisiana	2,500,000	1,300	1,900	3,200
Maine	1,000,000	500	700	1,200
Maryland	2,500,000	1,300	1,900	3,200
Massachusetts	4,000,000	2,000	2,800	4,800
Michigan	6,000,000	3,000	4,200	7,200
Minnesota	4,000,000	2,000	2,800	4,800
Mississippi	2,000,000	1,000	1,400	2,400
Missouri	4,000,000	2,000	2,800	4,800
Montana	1,000,000	500	700	1,200
Nebraska	1,500,000	800	1,200	2,000
Nevada	1,000,000	500	700	1,200
New Hampshire	1,000,000	500	700	1,200
New Jersey	6,000,000	3,000	4,200	7,200
New Mexico	1,500,000	800	1,200	2,000
New York	15,000,000	7,500	10,500	18,000
North Carolina	4,000,000	2,000	2,800	4,800
North Dakota	1,000,000	500	700	1,200
Ohio	6,000,000	3,000	4,200	7,200
Oklahoma	1,500,000	800	1,200	2,000
Oregon	1,500,000	800	1,200	2,000
Pennsylvania	10,000,000	5,000	7,000	12,000
Rhode Island	1,000,000	500	700	1,200
South Carolina	2,500,000	1,300	1,900	3,200
South Dakota	1,000,000	500	700	1,200
Tennessee	3,500,000	1,800	2,500	4,300
Texas	10,000,000	5,000	7,000	12,000
Utah	1,000,000	500	700	1,200
Vermont	1,000,000	500	700	1,200
Virginia	3,500,000	1,800	2,500	4,300
Washington	2,500,000	1,300	1,900	3,200
West Virginia	1,500,000	800	1,200	2,000
Wisconsin	4,000,000	2,000	2,800	4,800
Wyoming	1,000,000	500	700	1,200
Total	150,000,000	7,500,000	10,500,000	18,000,000

EXPLANATION OF SYMBOLS USED IN TABLES

Data not available----- ---

Quantity zero----- -

Percent more than 0 but less than 0.05----- 0.0

Disease stated not notifiable----- *

Figures within parentheses not included in totals-- ()

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SOURCE AND NATURE OF MORBIDITY DATA

These provisional data are based on reports to the Public Health Service from the health departments of each State and Puerto Rico. They give the total number of cases of certain communicable diseases reported during the week usually ended the preceding Saturday. Total figures for the United States and the Pacific Division include data for Alaska for 1959 and 1960; data for Hawaii are included for 1960 only. Cases of anthrax, botulism, and rabies in man are not shown in table 2, but a footnote to table 1 shows the States reporting these diseases. When diseases of rare occurrence are reported by a State (cholera, dengue, plague, louse-borne relapsing fever, small-pox, louse-borne epidemic typhus, and yellow fever) this is noted below table 1.

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